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#7 Response
11/21/02
Hayes

501.37242CX2

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s): OHTA et al

Serial No.: 09/804,190

Filed: March 13, 2001

For: Lateral Electric-Field Liquid Crystal Display Device Suitable For Improvement Of Aperture Ratio

Group: 2871

Examiner: D. Nguyen

RESPONSE

Commissioner for Patents
Washington, D.C. 20231

October 29, 2002

Sir:

In response to the communication dated October 22, 2002, applicants submit herewith a copy of the marked-up version of the amended claims, as requested.

Favorable consideration of the Amendment filed July 24, 2002 is respectfully requested.

To the extent necessary, applicant's petition for an extension of time under 37 CFR 1.136. Please charge any shortage in the fees due in connection with the filing of this paper, including extension of time fees, to Deposit Account No. 01-2135 (501.37242CX2) and please credit any excess fees to such deposit account.

Respectfully submitted,

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MK/cee
Attachment
(703) 312-6600

VERSION WITH MARKINGS TO SHOW CHANGES

IN THE CLAIMS:

1. (Amended) An active matrix liquid crystal display device comprising:

first and second substrates;

a liquid crystal layer disposed between ~~said~~ the first and second substrates;

plural image signal lines and scan signal lines formed on the first substrate, and each pixel region being formed by adjacent image signal lines and adjacent scan signal lines having at least an active device;

at least a pixel electrode connected to the active device and at least a counter electrode in each pixel, the pixel electrode and the counter electrode are on the first substrate;

a first alignment film formed over the pixel electrode and counter electrode on the first substrate at least in the pixel forming region;

a second alignment film formed on the second substrate at least in the pixel forming region;

wherein rubbing directions of first and second alignment films are substantially parallel to each other; and

wherein the pixel electrode and the counter electrode are disposed on a same insulating layer which is arranged under the first alignment film and which is arranged over at least one of the image signal lines.

6. (Amended) An active matrix liquid crystal display device according to claim ~~5~~ 1,

wherein at least one of the pixel electrode and the counter electrode is a transparent electrode.

8. (Amended) An active matrix liquid crystal display device according to claim ~~7~~ 6,

wherein ~~at least one of~~ the pixel electrode and the counter electrode ~~is a~~ are transparent ~~electrode~~ electrodes.